

CLAIMS

5 1. A rapid-melt, semi-solid molded composition comprising:
 a) at least one binder in an amount from about 0.01%
to about 70% by weight;
 b) a salivating agent in an amount from about 0.05% to
about 15% by weight;
 c) a diluent/bulking material in an amount from about
10% to about 90% by weight; and
 d) an active material in an amount from about 0.001%
10 to about 70% by weight;
 wherein the composition is prepared in the absence of
free water.

5 2. The rapid-melt, semi-solid composition of claim 1
wherein said binder is a lipid material having a melting point
about 25-90°C.

20 3. The rapid-melt, semi-solid composition of claim 2
wherein said binder is a lipid material having a melting point
about 37°C.

 4. The rapid-melt, semi-solid composition of claim 1
wherein said active material is a nutritional active material.

25 5. The rapid-melt, semi-solid composition of claim 4
wherein said nutritional active material is selected from the
group consisting of calcium, vitamins, minerals, herbals, spices
and mixtures thereof.

30 6. The rapid-melt, semi-solid composition of claim 5
wherein said nutritional active material is a vitamin.

7. The rapid-melt, semi-solid composition of claim 5 wherein said nutritional active material is a mineral.

8. The rapid-melt, semi-solid composition of claim 5 wherein said nutritional active material is calcium.

9. The rapid-melt, semi-solid composition of claim 1 wherein said active material is a prophylactic or therapeutic active material.

10. The rapid-melt, semi-solid composition of claim 9 wherein said prophylactic or therapeutic active material is selected from the group consisting of antihistamines, decongestants, alkaloids, laxatives, antacids, anti-cholesterolemics, antiarrhythmics, analgesics, appetite suppressants, expectorants, anti-anxiety agents, anti-ulcer agents, anti-inflammatory substances, stimulants, gastrointestinal agents, sedatives, migraine treatments, antibiotics, tranquilizers, antiobesity drugs, anabolic drugs, cough suppressants, aspirin, acetaminophen, ibuprofen and mixtures thereof.

11. The rapid-melt, semi-solid composition of claim 10 wherein said prophylactic or therapeutic active material is ibuprofen.

12. The rapid-melt, semi-solid composition of claim 10 wherein said prophylactic or therapeutic active material is acetaminophen.

13. The rapid-melt, semi-solid composition of claim 1 wherein said salivating agent is an emulsifier.

14. The rapid-melt, semi-solid composition of claim 1 wherein said salivating agent is a food acid or food salt.

15. A method of preparing a rapid-melt, semi-solid molded composition comprising the steps of:

a) melting at least one binder in an amount from about 0.01% to about 70% by weight with a salivating agent in an amount from about 0.05% to about 15% by weight, to form a mixture

b) mixing an active material with said mixture to form an active mixture;

c) mixing a diluent/bulking material with said active mixture to form a final mixture; and

d) molding said final mixture into said rapid-melt, semi-solid molded composition.

16. The method of claim 15 wherein said binder is a lipid material having a melting point about 25-90°C.

17. The method of claim 16 wherein said binder is a lipid material having a melting point about 37°C.

18. The method of claim 15 wherein said active material is a nutritional active material.

19. The rapid-melt, semi-solid composition of claim 18 wherein said nutritional active material is selected from the

group consisting of calcium, vitamins, minerals, herbals, spices and mixtures thereof.

20. The method of claim 19 wherein said nutritional active material is a vitamin.

21. The method of claim 19 wherein said nutritional active material is a mineral.

22. The method of claim 19 wherein said nutritional active material is calcium.

23. The method of claim 15 wherein said active material is a prophylactic or therapeutic active material.

24. The method of claim 23 wherein said prophylactic or therapeutic active material is selected from the group consisting of antihistamines, decongestants, alkaloids, laxatives, antacids, anti-cholesterolemics, antiarrhythmics, analgesics, appetite suppressants, expectorants, anti-anxiety agents, anti-ulcer agents, anti-inflammatory substances, stimulants, gastrointestinal agents, sedatives, migraine treatments, antibiotics, tranquilizers, antiobesity drugs, anabolic drugs, cough suppressants, aspirin, acetaminophen, ibuprofen and mixtures thereof.

25. The method of claim 24 wherein said prophylactic or therapeutic active material is ibuprofen.

26. The method of claim 24 wherein said prophylactic or therapeutic active material is acetaminophen.

27. The method of claim 15 wherein said salivating agent is an emulsifier.

28. The method of claim 15 wherein said salivating agent is a food acid or food salt.

29. A method of administering an active material to a mammal comprising the step of administering the rapid-melt, semi-solid composition of claim 1 to a mammal in need thereof.

30. The method of claim 29 wherein said administering aids in drug compliance by said mammal.

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31. A method of enhancing salivation in a mammal comprising administering the rapid-melt, semi-solid composition of claim 1.

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32. A rapid-melt, semi-solid molded composition comprising:

a) at least one binder in an amount from about 0.01% to about 70% by weight;

b) a salivating agent in an amount from about 0.05% to about 15% by weight;

c) a diluent/bulking material in an amount from about 10% to about 90% by weight;

d) water in an amount less than 2% by weight; and

e) an active material in an amount from about 0.001% to about 70% by weight.